

Table HED-4

**S&E-related degrees awarded, by degree level and field: 2012 and 2021**

(Number and percent change)

Degree level and field	2012	2021	Percent change
<b>Certificates</b>			
Health professions and related programs	413,354	266,333	-35.6
Homeland security and fire protection	9,046	9,511	5.1
Science and mathematics teacher education	33	81	145.5
Technology and technical fields	35,920	35,918	*
Other S&E-related fields	152,876	162,891	6.6
<b>Associate's degrees</b>			
Health professions and related programs	217,779	187,273	-14.0
Homeland security and fire protection	5,172	4,636	-10.4
Science and mathematics teacher education	80	56	-30.0
Technology and technical fields	39,651	24,753	-37.6
Other S&E-related fields	33,737	36,287	7.6
<b>Bachelor's degrees</b>			
Health professions and related programs	182,585	299,237	63.9
Homeland security and fire protection	2,901	5,298	82.6
Science and mathematics teacher education	5,039	3,455	-31.4
Technology and technical fields	19,593	22,569	15.2
Other S&E-related fields	3,433	3,361	-2.1
<b>Master's degrees</b>			
Health professions and related programs	86,248	146,478	69.8
Homeland security and fire protection	1,414	3,084	118.1
Science and mathematics teacher education	4,492	3,702	-17.6
Technology and technical fields	5,000	7,204	44.1
Other S&E-related fields	1,610	181	-88.8
<b>Doctoral degrees</b>			
Health professions and related programs	175	172	-1.7
Homeland security and fire protection	1	35	3,400.0
Science and mathematics teacher education	177	111	-37.3
Technology and technical fields	90	149	65.6
Other S&E-related fields	1	2	100.0

\* = value &lt; 0.05%.

**Note(s):**

Data are based on institutions eligible to participate in Title IV federal financial aid programs. Certificates include only awards of less than 2 academic years below the associate's degree level. Doctoral degree programs include research doctoral degree programs only and do not include professional doctoral programs (e.g., Doctor of Medicine).

**Source(s):**

National Center for Science and Engineering Statistics, special tabulations (2022) of the National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), Completions Survey, provisional release data.

*Science and Engineering Indicators*